May 22, 2002

MODIS sensor Working Group (MsWG) Summary

Attendance: Bill Barnes, Roger Drake, Wayne Esaias, Eddie Kearns, Chuck McClain, Chris Moeller, Vince Salomonson, Gary Toller, Jack Xiong, Eric Vermote, Jim Young, Zhengming Wan, Joe Esposito

Scheduled Items

Item 1 Aqua MODIS Status
   Successfully launched at 09:54:58 GMT on May 4th (2002124)
   Survival heaters enabled at 14:18 GMT on May 4th (2002124)
   Power-on and door unlatching on May 7th (2002127)
   C went to Survive Mode on May 19th (2002139) => MODIS to survival mode
   BB)   Once AMSR/e has been spun up, MODIS Aqua will be powered on. Out-gassing will begin as soon as tomorrow and continue for 2 weeks. Cooling will then commence for one week and FM1 will go to science mode.
   RD)   What are the attitude perturbations we can expect? This may have caused the S/C to go into survival mode.
   BB)   There will be a meeting later today to address the reason the S/C went into survival mode.

Around the Table

Participant: Chris Moeller: B26 de-striping coefficients
   BB)   You have stated that the coefficients for both A and B sides are similar. Is this truly the case?
   CM) $Aside_1$ and Bside coefficients are similar but $Aside_2$ coefficients seem to be different. Aside:D1 is noisy.
   BB)   MCST has sent the L1B code with B26 correction to SDST for testing.
   CM)   We have sent coefficients for $Aside_1$ and Bside but have not sent coefficients for $Aside_2$. Will meet with MCST at the AGU meeting next week.
         What are the current L1B version numbers for PFM and FM1? How do L1B V4.0.1 and V4.0.2 differ?
   GT)   Current PFM L1B version is V4.0.1 (Linux version is V4.0.2). Currently, FM1 L1B version is V3.1.0.
   CM)   Send an Email that describes the L1B version numbering systems.
   WE)   Add me to this Email and also describe the L1B version numbering versus the collection numbering systems.
         MCST Action: send Email detailing the version and collection numbering.
   BB)   Add Yolanda Harvey to the minutes Email list.
         MCST Action: Add Yolanda to the Email list.

Participant: Eric Vermote: B7 correction algorithm and testing (time frame)

JX) What is the timeline for delivery of B7 to MCST?

EV) I would like to get some Aqua data, where B7 cross talk is negligible, as a baseline to compare my data against. August 15 is the target date.

JX) MCST has a code/LUT delivery deadline before August 15 imposed by SDST to meet in order to be in time for the next reprocessing.

Participant: Miami: testing results of new LUT

BB What are the recent Miami results?

EK) The analysis results using the new MCST LUTs look much improved. The results are very consistent.

BB) After you have completed your analysis and have okayed the new MCST corrections we can turn the MCST corrections to ON mode in L1B for the forward processing.

WE) The plan is to make this change for Collection 4 mode. Should we use MCST correction LUTs with Miami corrections set to unity?

EK) Performing the corrections using the MCST LUTs in L1B will result in still seeing D10 and Western Banding. When looking at 1km Level 2 data then it is better to use Miami corrections than MCST corrections applied in L1B. For the 36km aggregate it is better to apply the MCST corrections to L1B.

WE) How long until we are ready for forward processing (2 Months?)?

EK) It would be sooner than 2 months. About 3 weeks are needed (excluding some upcoming travel time).

Participant: General Comments

CM) Clarification: are we shaving a week off the out-gassing schedule (from 3 to 2 weeks)?

BB) PFM was out-gassed for 2 weeks and this will also be done for FM1. We will examine the margin on the radiative cooler to see whether additional out-gassing is required.

RD) The baseline is 2 weeks of out-gassing. We have done all that is possible to prevent out-gassing toward the cooler and will watch the radiative cooler margin closely for signs that repeated out-gassing is needed. Last August, the margins on PFM implied the need for out-gassing.

VS) The Aqua press conference is currently as scheduled in my Email. It may be better to delay the press conference in order to match the current S/C - MODIS schedule.